

**COPY**

PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

The attached application, or  
 Application No. \_\_\_\_\_, filed on \_\_\_\_\_,  
 as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**Inventor one: Laurence C. EisenlohrSignature:  Citizen of: USInventor two: Michael T. HowardSignature: \_\_\_\_\_ Citizen of: US

Inventor three: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Inventor four: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

 Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**COPY**

PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

The attached application, or  
 Application No. 09/981,393, filed on 16 October 2001.  
 as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**Inventor one: Laurence C. EisenlohrSignature: \_\_\_\_\_ Citizen of: USInventor two: Michael T. HowardSignature: Michael T. Howard Citizen of: US

Inventor three: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Inventor four: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

 Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**COPY**

Docket No.: 003252-053310

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Eisenlohr et al.

EXAMINER: Qian, Celine X.

SERIAL NO.: 09/981,393

GROUP: 1633

FILED: October 16, 2001

FOR: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

The Assistant Commissioner for Patents  
Washington, D.C. 20231

I hereby certify that this correspondence, on the date shown below, is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner of Patents and Trademark, Washington, DC 20231:

Power of Attorney (2 originals) (3 pp. each);  
Statement Under 37 C.F.R. Section 3.73(b) Establishing Right of Assignee to Take Action (2 originals) (3 pp. each);  
Copy of Assignments for The University of Utah (3 pp.);  
Change of Correspondence Address (1 pg.);  
Transmittal Form (PTO/SB/21) (1 pg.);  
Certificate of Mailing (1 pg.); and  
Return Receipt Postcard.

12/16/01  
Date

Melissa C. Krugel  
Melissa C. Krugel

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Laurence C. Eisenlohr and Michael T. Howard

Application No.: 09/981,393

Group No.: 1633

Filed: 10/16/01

Examiner: Qian, Celine X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Assistant Commissioner for Patents  
Washington, D.C. 20231

## CHANGE OF ATTORNEY'S ADDRESS IN APPLICATION

Please send all correspondence for this application as follows:

David S. Resnick  
NIXON PEABODY LLP  
101 Federal Street  
Boston, MA 02110

Please direct telephone calls to:

(617) 345-6057

Previous Attorney Docket No.: EISO1-NP001

Current Attorney Docket No.: 003252-053310



---

SIGNATURE OF PRACTITIONER  
David S. Resnick  
NIXON PEABODY LLP  
101 Federal Street  
Boston, MA 02110

Reg. No. 34,235  
Tel. No.: (617) 345-6057

## CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

## MAILING

deposited with the United States Postal Service  
with sufficient postage as first class mail in an  
envelope addressed to the Assistant  
Commissioner for Patents, Washington, D.C.  
20231.

## FACSIMILE

transmitted by facsimile to the Patent and  
Trademark Office.

Signature

Date:

(type or print name of person certifying)

(Change of Attorney's Address in Application, page 1 of Error! Bookmark not defined.)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

Group No.: 1633

Examiner: Qian, C.X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

**CERTIFICATE OF MAILING (37 C.F.R. SECTION 1.8(a))**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

12/6/02  
Date

Melissa C. Krugel  
(type or print name of person mailing)

Melissa C. Krugel  
(signature of person mailing paper)

Assistant Commissioner for Patents  
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified

application,  
 patent,

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

all powers of attorney previously given are hereby revoked and

**NEW POWER OF ATTORNEY**

the following attorney(s) and/or agent(s) are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

David S. Resnick, Attorney and Patent Agent, Registration No. 34,235  
Leena H. Karttunen, under 37 C.F.R. 10.9(b)

Ronald I. Eisenstein, Attorney and Patent Agent, Registration No. 30,628  
Nicole L.M. Valtz, Patent Agent, Registration No. 47,150

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Group No.: 1633

Examiner: Qian, C.X.

*(check the following item, if applicable)*

Attached, as part of this power of attorney, is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

---

**SEND CORRESPONDENCE TO:**

David S. Resnick  
NIXON PEABODY LLP  
101 Federal Street  
Boston, MA 02110

**DIRECT TELEPHONE CALLS TO:**

David S. Resnick (617) 345-6057

Customer No.: 26248

---

**ASSIGNEE**

Thomas Jefferson University

*(type or print identity of assignee of entire interest)*

1020 Walnut Street, Philadelphia, PA 19107

Address

Recorded in PTO on 10/16/2001

Reel 012284

Frame 0080

**ASSIGNEE STATEMENT**

Attached to this power is a "STATEMENT UNDER 37 C.F.R. section 373(b)."

Jussi Saukkonen  
Signature

Jussi Saukkonen, M.D.

*(type or print name of person authorized to sign on behalf of assignee)*

Dean, College of Graduate Studies and Vice  
President for Science Policy,  
Technology Development and Internal Affairs  
Thomas Jefferson University  
Title

*(check the following item, if it forms a part of this power of attorney)*

Added page—Authorization of attorney(s) to accept and follow instructions from representative.

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

Group No.: 1633

Examiner: Qian, C.X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

**ADDED PAGE TO POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE  
INTEREST FOR AUTHORIZATION OF ATTORNEY(S) TO ACCEPT AND  
FOLLOW INSTRUCTIONS FROM REPRESENTATIVE**

The undersigned to this power of attorney hereby authorize(s) the U.S. attorney(s) named herein to accept and follow instructions from

---

Name(s) of authorized representative(s)

---

Address

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorney(s) will so be notified by the undersigned.

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

Group No.: 1633

Examiner: Qian, C.X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VTVO

I, the person signing below, state that I am empowered to sign this statement on behalf of the assignee.

#### BASIS OF ASSIGNEE'S INTEREST

Ownership by the assignee is established as follows:

A.

1.  An assignment from the inventor, L.C. Eisenlohr, of the matter identified above, which was recorded in the PTO on 10/16/2001 at Reel 012284, Frame 0080.
2.  An assignment (document) from the inventor separately being submitted for recordal herewith.

#### AND/OR

B.  A chain of title from the inventor(s) to the current assignee as shown below:

1. From: \_\_\_\_\_  
Name of inventor(s)  
To: \_\_\_\_\_  
Recorded in PTO: Reel \_\_\_\_\_, Frame \_\_\_\_\_

2. From: \_\_\_\_\_  
Name of inventor(s) or assignee  
To: \_\_\_\_\_  
Recorded in PTO: Reel \_\_\_\_\_, Frame \_\_\_\_\_

3. From: \_\_\_\_\_  
Name of inventor(s) or assignee  
To: \_\_\_\_\_  
Recorded in PTO: Reel \_\_\_\_\_, Frame \_\_\_\_\_

*(check item below, and add details, if applicable)*

Additional documents in the chain of title are listed in the attached Supplemental Sheet.

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Group No.: 1633

Examiner: Qian, C.X.

### COPIES OF DOCUMENTS IN CHAIN OF TITLE

*(complete this item, if copies are being sent)*

Copies of the assignment(s) or other document(s) in the chain of title are attached as follows:

A

1

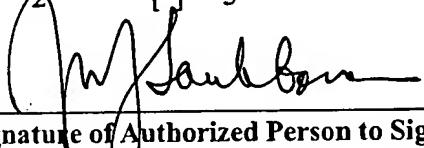
2

B

1

2

3

  
Signature of Authorized Person to Sign

\_\_\_\_\_  
Date

Jussi Saukkonen, M.D.

*(type or print name of person authorized to sign on behalf of assignee)*

Dean, College of Graduate Studies and Vice  
President for Science Policy,  
Technology Development and Internal Affairs  
Thomas Jefferson University  
Title

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Group No.: 1633

Examiner: Qian, C.X.

## CERTIFICATE OF MAILING (37 C.F.R. SECTION 1.8(a))

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

12/16/02  
DateMelissa C. Krugge  
(type or print name of person mailing)Melissa C. Krugge  
(signature of person mailing paper)

Assistant Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above identified

 application,  
 patent,

## REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given are hereby revoked and

## NEW POWER OF ATTORNEY

the following attorney(s) and/or agent(s) are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

David S. Resnick, Attorney and Patent Agent, Registration No. 34,235

Leena H. Karttunen, under 37 C.F.R. 10.9(b)

Ronald I. Eisenstein, Attorney and Patent Agent, Registration No. 30,628

Nicole L.M. Valtz, Patent Agent, Registration No. 47,150

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Group No.: 1633

Examiner: Qian, C.X.

*(check the following item, if applicable)*

Attached, as part of this power of attorney, is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

**SEND CORRESPONDENCE TO:**

David S. Resnick  
NIXON PEABODY LLP  
101 Federal Street  
Boston, MA 02110

**DIRECT TELEPHONE CALLS TO:**

David S. Resnick (617) 345-6057

Customer No.: 26248

**ASSIGNEE**

University of Utah Research Foundation

*(type or print identity of assignee of entire interest)*

615 Arapeen Drive Suite 110, Salt Lake City, Utah, 84108

Address

Recorded in PTO on

Reel \_\_\_\_\_

Frame \_\_\_\_\_

**ASSIGNEE STATEMENT**

Attached to this power is a "STATEMENT UNDER 37 C.F.R. section 3.73(b)."

Date 11/13/02

Signature

Jayne F. Carney

*(type or print name of person authorized to sign on behalf of assignee)*

Director, Technology Transfer Office

University of Utah

Title

*(check the following item, if it forms a part of this power of attorney)*

Added page—Authorization of attorney(s) to accept and follow instructions from representative.

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Group No.: 1633

Examiner: Qian, C.X.

**ADDED PAGE TO POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE  
INTEREST FOR AUTHORIZATION OF ATTORNEY(S) TO ACCEPT AND  
FOLLOW INSTRUCTIONS FROM REPRESENTATIVE**

The undersigned to this power of attorney hereby authorize(s) the U.S. attorney(s) named herein to accept and follow instructions from

---

Name(s) of authorized representative(s)

---

Address

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorney(s) will so be notified by the undersigned.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Eisenlohr et al

Application No.: 09/981,393

Group No.: 1633

Filed: Oct. 16, 2001

Examiner: Qian, C.X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

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12/01/02  
Date

Melissa C. Krugel  
(type or print name of person mailing paper)

Melissa C. Krugel

Assistant Commissioner for Patents  
Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. SECTION 3.73(b)  
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION

1. The assignee(s) of the entire right, title and interest hereby seek(s) to take action in the PTO in this matter.

## IDENTIFICATION OF ASSIGNEE

2. Thomas Jefferson University

Name of assignee

Corporation - Non-profit organization

Type of assignee, e.g., corporation, partnership, university, government agency, etc.

## PERSON AUTHORIZED TO SIGN

3. Jussi Saukkonen, M.D.

(type name of person authorized to sign on behalf of assignee)

Dean, College of Graduate Studies and Vice President for Science Policy,  
Technology Development and Internal Affairs

Thomas Jefferson University

Title of person authorized to sign

(complete the following, if applicable)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

Group No.: 1633

Examiner: Qian, C.X.

**CERTIFICATE OF MAILING (37 C.F.R. SECTION 1.8(a))**

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12/16/01

Date

Melissa C. Krugel

(type or print name of person mailing paper)

Melissa C. Krugel

Assistant Commissioner for Patents  
Washington, D.C. 20231

**STATEMENT UNDER 37 C.F.R. SECTION 3.73(b)  
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

1. The assignee(s) of the entire right, title and interest hereby seek(s) to take action in the PTO in this matter.

**IDENTIFICATION OF ASSIGNEE**

2. University of Utah Research Foundation

Name of assignee

Corporation - Non-profit organization

Type of assignee, e.g., corporation, partnership, university, government agency, etc.

**PERSON AUTHORIZED TO SIGN**

3. Jayne F. Carney

(type name of person authorized to sign on behalf of assignee)

Director, Technology Transfer Office

University of Utah

Title of person authorized to sign

*(complete the following, if applicable)*

[X] I, the person signing below, state that I am empowered to sign this statement on behalf of the

In re application of: Eisenlohr et al

Application No.: 09/981,393

Group No.: 1633

Filed: Oct. 16, 2001

Examiner: Qian, C.X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

assignee.

#### BASIS OF ASSIGNEE'S INTEREST

Ownership by the assignee is established as follows:

**A.**

1.  An assignment from the inventor of the matter identified above, which was recorded in the PTO on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_.
2.  An assignment (copies attached) separately being submitted for recordal herewith. One assignment from M.Howard to Univ. of Utah and another from the Univ. of Utah to the Univ. of Utah Research Foundation.

#### AND/OR

**B.**  A chain of title from the inventor(s) to the current assignee as shown below:

1. From: \_\_\_\_\_  
Name of inventor(s)  
To: \_\_\_\_\_  
Recorded in PTO: Reel \_\_\_\_\_, Frame \_\_\_\_\_
2. From: \_\_\_\_\_  
Name of inventor(s) or assignee  
To: \_\_\_\_\_  
Recorded in PTO: Reel \_\_\_\_\_, Frame \_\_\_\_\_
3. From: \_\_\_\_\_  
Name of inventor(s) or assignee  
To: \_\_\_\_\_  
Recorded in PTO: Reel \_\_\_\_\_, Frame \_\_\_\_\_

*(check item below, and add details, if applicable)*

Additional documents in the chain of title are listed in the attached Supplemental Sheet.

In re application of: Eisenlohr et al

Application No.: 09/981,393

Filed: Oct. 16, 2001

Group No.: 1633

Examiner: Qian, C.X.

For: NOVEL METHOD FOR ASSESSING RECODING IN VITRO AND IN VIVO

**COPIES OF DOCUMENTS IN CHAIN OF TITLE**

*(complete this item, if copies are being sent)*

Copies of the assignment(s) or other document(s) in the chain of title are attached as follows:

A

1

2

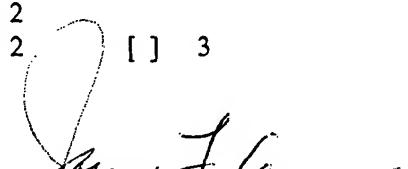
B

1

2

3

11/17/02  
Date

  
\_\_\_\_\_  
Signature of Authorized Person to Sign

Jayne F. Carney

*(type or print name of person authorized to sign on behalf of assignee)*

Director, Technology Transfer Office

University of Utah

Title

## ASSIGNMENT

Whereas, the University of Utah, a corporation of the State of Utah, having a place of business at Salt Lake City, Utah is the owner of the entire right, title and interest in and to application for United States Letters Patent entitled, A Novel Method for Assessing Recoding In Vitro and In Vivo, filed in the United States Patent and Trademark Office as Serial No. 09/981,393, on October 16, 2001, which application is incorporated herein by this reference; and the invention therein described; and

Whereas, University of Utah Research Foundation, a corporation of the State of Utah, having a place of business at 201 S. Presidents Circle, Salt Lake City, UT 84112, is desirous of acquiring the entire right, title and interest in and to the said invention within the United States of America and its territorial possessions and within the countries foreign to the United States and any United States or foreign Letters Patent that may be granted therefore; and in and to said application;

Now, Therefore, in consideration of the sum of One Dollar (\$1.00) paid by University of Utah Research Foundation to the University of Utah and other good valuable consideration, the receipt of which is hereby acknowledged, the University of Utah has sold, assigned and transferred and by these presents does hereby sell, assign and transfer unto the said University of Utah Research Foundation the entire right, title and interest in and to the said inventions within the United States of America and its territorial possessions and within all countries foreign to the United States and in and to any United States or foreign Letters Patent that may be granted therefore and in and to the said application and in and to any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon, all said rights to be held and enjoyed by University of Utah Research Foundation for its own use and enjoyment of its successors and assigns to the full end of the term or terms for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the University of Utah if this assignment, transfer and sale had not been made.

The University of Utah hereby authorized and requests the United States Commissioner of Patents and Trademarks and all authorized officials of foreign patent offices to issue the said Letters Patent, when granted, to said University of Utah Research Foundation as the assignee of its entire right, title and interest in and to the same, for the sole use and enjoyment of said University of Utah Research Foundation, its successors and assigns.

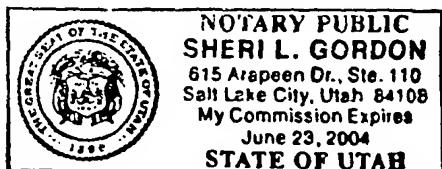
In Testimony Whereof, the University of Utah has caused the hand of its proper representative to be subscribed hereto this 9 day of October, 2001.

UNIVERSITY OF UTAH

By Jayne F. Carney  
Jayne F. Carney  
Director, Technology Transfer

STATE OF UTAH )  
: ss.  
COUNTY OF SALT LAKE )

On October 9, 2002, before me personally appeared Jayne F. Carney, Director, Technology Transfer of said University of Utah known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that she has read the same and knows the contents thereof and that the same is true of her own knowledge excepting as to matters therein alleged upon information and belief and as to those matters she believes them to be true, and that she executed the same as her free act and deed and for the purposes set forth therein.



Sheri L. Gordon  
NOTARY PUBLIC  
Residing at Salt Lake City, Utah

My Commission expires:  
June 23, 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
EIS01-NP001

Whereas, I, Michael T. Howard of 1934 South 600 East  
Salt Lake City, UT 84105, hereafter referred to as applicant, have invented certain new and useful improvements in A Novel Method for Assessing Recoding In Vitro and In Vivo

for which an application for a United States Patent was filed on 16 October 2001  
Application Number 09 / 981,393

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, University of Utah of Salt Lake City, Utah herein referred to as "assignee" whose mailing address is 201 President's Circle Salt Lake City, UT, 84112 US is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this Four 14<sup>th</sup> day of June, 2002.  
at four twenty five P.M.

Michael T. Howard  
(Signature)

State of UTAH SS:

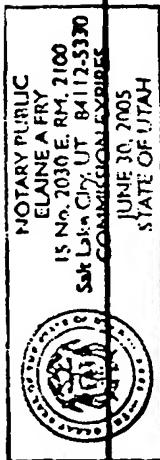
County of SALT LAKE

Before me personally appeared said Michael T. HOWARD  
and acknowledged the foregoing instrument to be his free act and deed this 14<sup>th</sup>  
day of June, 2002.

Elaine A. Fry  
(Notary Public)

Seal

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.



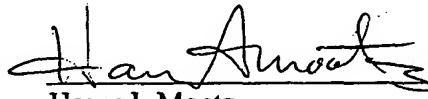
BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Leena Karttunen is hereby given limited recognition under 37 CFR § 10.9(b), as an employee of the law firm of Nixon Peabody LLP, to prepare and prosecute patent applications wherein the patent applicant is a client of the law firm of Nixon Peabody LLP, and a registered practitioner, who is a member of the law firm of Nixon Peabody LLP, is the practitioner of record in the applications. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Leena Karttunen ceases to lawfully reside in the United States, (ii) Leena Karttunen's employment with the law firm of Nixon Peabody LLP, ceases or is terminated, or (iii) Leena Karttunen ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such limited recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: June 14, 2004

  
\_\_\_\_\_  
Harry I. Moatz  
Director of Enrollment and Discipline